## COMMONWEALTH OF KENTUCKY

## BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:		
THE ELECTRONIC APPLICATION OF EAST KENTUCKY POWER COOPERATIVE, FOR APPROVAL TO AMEND ITS ENVIROMENTAL SURCHARGE, AND FOR ISSUANCE OF NECESSITY AND OTHER RELIEF	) ) )	CASE NO. 2023-00177
CERTIFICATE		
STATE OF KENTUCKY )		
COUNTY OF CLARK )		
Joseph VonDerHaar, being duly sworn, states that he has s	upervis	sed the preparatio

Joseph VonDerHaar, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission

Staff's Request for Semi- Annual Update in the above-referenced case dated January 11, 2024, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Joseph VonDerhaar

Joseph VonDerHaar

Subscribed and sworn before me on this 18th day of June, 2025.

KATHY L. MCINTOSH Notary Public Commonwealth of Kentucky Commission Number KYNP96402 My Commission Expires Jan 30, 2029

Notary Public

## EAST KENTUCKY POWER COOPERATIVE, INC. CASE NO. 2023-00177 SECOND REQUEST FOR INFORMATION RESPONSE

STAFF'S REQUEST DATED SEPTEMBER 11, 2023

**REQUEST 2** 

**RESPONSIBLE PARTY:** 

Joseph VonDerHaar

Request 2. EKPC will provide a status update to the Commission on a semi-annual basis, as associated with the beneficial use of the Spurlock Station's fly ash, bottom ash and gypsum.

Response 2. EKPC does consider the beneficial reuse of coal combustion residuals at Spurlock Station. Spurlock Station fly ash from Units 1 and 2 is not a saleable product because wastewater from the ELG system is used to wet the fly ash and then transport it to a landfill. Spurlock fly ash from Units 3 and 4 is a comingled product of fly ash and gypsum that is produced in the dry scrubbing process that is required to reduce sulfur emissions. The Spurlock 3 and 4 bed ash is not suitable for sale due to the high lime content in the product. The bottom ash from Spurlock 1 and 2 would be useable in a beneficial reuse market such as for making CMU blocks or for use as anti-skid material for roadways. Bottom ash at Spurlock station only makes up approximately 40,000 tons per year.

There has been market interest in this product but nothing on a consistent long-term basis. EKPC uses bottom ash, which has a granular consistency for building roadways internal to our landfills, replacing the purchase of aggregates.

The wet flue gas desulfurization system on Spurlock 1 and 2 produces about 300,000 to 400,000 tons of gypsum annually. This is not wallboard quality gypsum. To make existing gypsum into wallboard grade quality and to install the material handling system is very expensive. In September 2024, EKPC entered into a 6 month interim agreement with a company to purchase Spurlock gypsum for beneficial reuse in wallboard. In March 2025, EKPC and the Purchaser agreed to extend the interim agreement indefinitely while the Purchaser finalized their evaluation on the fitness of the gypsum for use in their wallboard process. Either party may terminate the interim agreement with a 30-day notice. A total of approximately 15,000 tons has been sold to date.